

Title (en)
Rim hole and method of manufacturing the same

Title (de)
Durchzugsanordnung und Verfahren dazu

Title (fr)
Passage et procédé de fabrication

Publication
EP 1705385 B1 20081022 (DE)

Application
EP 06110783 A 20060307

Priority
DE 102005000023 A 20050322

Abstract (en)
[origin: EP1705385A1] Stacking arrangement (11) comprises plate-like workpieces (12, 13) joined together by a beam (14). The workpieces are made from a material which is penetrated by an opening (15), the edge of which tapers conically in the direction of one workpiece (12). An independent claim is also included for a method for producing a beam for the above arrangement. Preferred Features: The edge of the opening has a breaking zone (22) and a stamping zone (28) in one workpiece (13). The edge of the opening has recesses and/or protrusions in one workpiece (13).

IPC 8 full level
F16B 5/04 (2006.01); **B21D 39/03** (2006.01)

CPC (source: EP KR US)
A47K 7/02 (2013.01 - KR); **B21D 39/034** (2013.01 - EP US); **D04B 1/16** (2013.01 - KR); **D04B 1/225** (2013.01 - KR); **F16B 5/0096** (2013.01 - EP US); **F16B 5/045** (2013.01 - EP US); **F16B 17/006** (2013.01 - EP US); **Y10T 29/49837** (2015.01 - EP US); **Y10T 29/49915** (2015.01 - EP US); **Y10T 29/4992** (2015.01 - EP US); **Y10T 29/49922** (2015.01 - EP US); **Y10T 29/49924** (2015.01 - EP US); **Y10T 29/49925** (2015.01 - EP US); **Y10T 29/49936** (2015.01 - EP US); **Y10T 403/4966** (2015.01 - EP US); **Y10T 403/4974** (2015.01 - EP US)

Citation (examination)
• FR 2752886 A1 19980306 - HUTCHINSON [FR]
• WO 0194797 A1 20011213 - ADVAL TECH HOLDING AG [CH], et al

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DE102017115296A1; FR3006921A1; JP2022115537A; US2010018278A1; US9283612B2; JP2022115534A; WO2021209439A1

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